

1) Which of the following statements is **NOT** true about parallelograms?

- a. consecutive angles are congruent
- b. opposite sides are congruent
- c. opposite angles are congruent
- d. the diagonals bisect each other

2) Which of the following quadrilateral is not a parallelogram?

- I. Trapezoid
- II. Kite
- III. Square
- IV. Rectangle

- A. I
- B. II and III
- C. I and II
- D. I, II, and III
- E. All of above

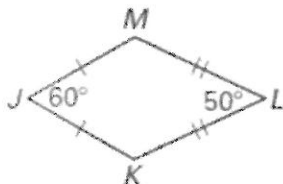
3) If one diagonal of a rhombus is 10 cm and the other is 24 cm.

- a. How long is each side of the rhombus?
- b. Find the perimeter.
- c. Find the area.

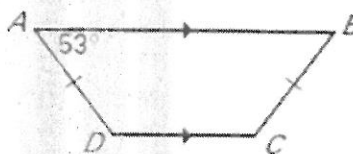
4) The diagonal of a square is 14 inches.

- a. How long is each side of the square?
- b. Find the perimeter.
- c. Find the area.

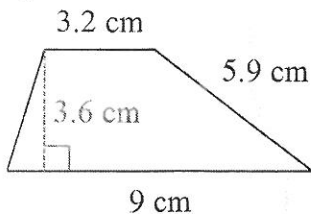
6) Find the measurement for angles M and K.



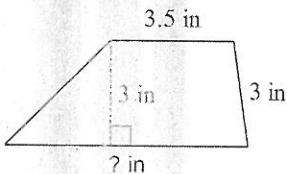
7) Find the measurements of angle B, C, and D.



8) Find the area:



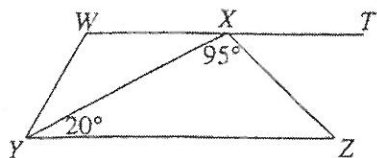
9) Find the base:



$$\text{Area} = 15.6 \text{ in}^2$$

10)

In the figure below, $WXZY$ is a trapezoid, point X lies on WT , and the angles are as marked. What is the measure of $\angle ZXT$?



11) In the parallelogram below, a diagonal is shown and $\angle 3$ measures 40° and $\angle 5$ measures 65° . What is the $m\angle 1$?

